

20020219.qrp v02_n471.qrl.20020219

Date: Tue, 19 Feb 2002 19:03:08 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2471

QRP-L Digest 2471

Topics covered in this issue include:

- 1) [120299] Re: Yet Another ARRL DX Test Account (Long)
by "tmyers" <tmyers@AcademicPlanet.com>
- 2) [120300] Re: Portable operations with end feed antennas
by adamvaz@palm.net (Adam Vazquez)
- 3) [120301] Re: Portable operations with end feed antennas
by "Mike Yetsko" <myetsko@insydesw.com>
- 4) [120302] Brass Racer Paddles
by "Vincent A. Santis" <vsantis@earthlink.net>
- 5) [120303] Re: Radial Installation
by Jim Campbell <jim-c@nc.rr.com>
- 6) [120304] RE: difficulty tuning the BLT tuner
by "Lofgren, Charles" <charles.lofgren@claremontmckenna.edu>
- 7) [120305] New scope
by "Alex Turner" <aturner13@triad.rr.com>
- 8) [120306] Keeping the rig on the table
by "James R. Duffey" <jamesd1@flash.net>
- 9) [120307] A very useful site for data sheets
by "Ian C. Purdie" <ianpurdie@integritynet.com.au>
- 10) [120308] RE: [TenTec] Brass Racer Paddles
by "Joe Malloy" <jmalloy@hamilton.edu>
- 11) [120309] transistor ID
by Bruce Rattray <rattray@gpfn.sk.ca>
- 12) [120310] Re: Portable operations with end feed antennas
by "Charles Mabbott" <aa8vs@msn.com>
- 13) [120311] Re: QRV in ARRL Contest using SW40+
by Lew Paceley <lew@paceley.com>
- 14) [120312] Re: Broadcast Band Verticals
by "T.J. \"Skip\" Arey N2EI" <tjarey@tjarey.com>
- 15) [120313] Tiny Tornado test #2 tonight 0530UTC 7.040
by Jack WsixABC <w6abc@yahoo.com>
- 16) [120314] Re: Radial Installation
by Bruce Muscolino <w6toy@erols.com>
- 17) [120315] Re: vertical antenna question
by "Adrian Weiss" <aweiss@usd.edu>
- 18) [120316] dipole working well
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 19) [120317] Tuesday Truffle

- by RLemmel@aol.com
- 20) [120318] Re: Vertical Antennas -- the Compromise
by "Adrian Weiss" <aweiss@usd.edu>
 - 21) [120319] Re: vertical antenna question
by "Graeme Zimmer" <gzimmer@optushome.com.au>
 - 22) [120320] Re: Portable Ops with End Fed Antenna
by Jim Cluett <w1pid@yahoo.com>
 - 23) [120321] Re: Portable operations with end feed antennas
by John R Kirby <n3aaz-qrp@juno.com>
 - 24) [120322] Re: vertical antenna question
by "Francis Callahan" <colcal@srv.net>
 - 25) [120323] Antennas
by "Walt Amos" <k8cv@netzero.net>
 - 26) [120324] Re: A question for "G" stations?
by "Bob" <ara1@trsvr.tr.unisys.com>
 - 27) [120325] Re: Portable operations with end feed antennas
by Bruce Grubbs <mail@brucegrubbs.com>
 - 28) [120326] Re: K1 4 Bander for Sale
by "Michael J. Golini, K1SLT" <mgolini@home.com>
 - 29) [120327] RE Radials
by "Tom Pennebaker" <n4rs@netpath-rc.net>
 - 30) [120328] Butternut *FOX & DX Killer* Vertical
by Chuck Carpenter <w5usj@9plus.net>
 - 31) [120329] Working with aluminum stock
by "Rene Correa" <correalaw@earthlink.net>
 - 32) [120330] Re: Butternut *FOX & DX Killer* Vertical
by <duffy01@fuse.net>
 - 33) [120331] MI QRP Net Tonight 9:00 PM Eastern Time 3.535 MHz
by "Kwik, Ed " <ed.kwik@delphiauto.com>
 - 34) [120332] Re Butternut
by N4SKS@cs.com
 - 35) [120333] Antennas
by "Tracy Markham" <tracy@bytemark.com>
 - 36) [120334]
by "frank5838" <frank5838@email.msn.com>
 - 37) [120335] Re: Portable operations with end feed antennas
by WE7X@aol.com
 - 38) [120336] Re: A Smashing Success - CQC and C02KK !!
by "Walter AG5P" <walter@cowboy.com>
 - 39) [120337] Re: Re Butternut
by "Karl F. Larsen" <k5di@zianet.com>
 - 40) [120338] FS: K2 #1303, G4ZPY paddles
by "Tracy, Michael, KC1SX" <mtracy@arrl.org>
 - 41) [120339] Re: Radials for Verticals
by Shawn Upton <kb1ckt@yahoo.com>
 - 42) [120340] Re: N4DD Preliminary Log Delinquency
by Bill Coleman <aa4lr@arrl.net>
 - 43) [120341] Re: N4DD Preliminary Log Delinquency

by "Bruzenak George" <bruzer1@mindspring.com>
44) [120342] Re: Butternut *FOX & DX Killer* Vertical
by Dave Sjolín <sjolin@swbell.net>
45) [120343] FOX: Final Reminder - Tonight N0IT Cub Fox
by Dave Sjolín <sjolin@swbell.net>
46) [120344] Re: RFI Decoupling a switcher
by Arth Silvers <w6ags@arrl.net>
47) [120345] FS: K2 #1303 ...
by "Tracy, Michael, KC1SX" <mtracy@arrl.org>
48) [120346] FOX??
by Tom Feeny <tfeeny@comcast.net>
49) [120347] FYBO Results to come in April--Right?
by "Carter Craigie N3AO" <n3ao@bee.net>
50) [120348] Re: transistor ID
by "Harold Smith" <harold.smith1@worldnet.att.net>
51) [120349] OT mail delays
by WE7X@aol.com
52) [120350] RV Travels
by "Bruzenak George" <bruzer1@mindspring.com>
53) [120351] Re: Radials for Verticals
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
54) [120352] Vertical antennas
by "Jim Stamper" <jstamper@shentel.net>
55) [120353] Re: OT mail delays
by K1epj@aol.com
56) [120354] RE: RV Travels
by "Kory Hamzeh" <kory@avatar.com>
57) [120355] Re: Radials for Verticals
by "George, W5YR" <w5yr@att.net>
58) [120356] Painting an Altoids Box??
by "Lee Mairs" <lmairs@cox.rr.com>
59) [120357] WANTED: Kits and Other Stuff
by "Brice D. Hornback" <bdh@cyberbound.net>
60) [120358] Re: OT mail delays
by Jim Eshleman <jce0@Lehigh.EDU>
61) [120359] Re: OT mail delays
by IamSF5@aol.com
62) [120360] Re: Vertical antennas [Bencher = Butternut]
by Chuck Carpenter <w5usj@9plus.net>
63) [120361] Re: FOX??
by Chuck Carpenter <w5usj@9plus.net>
64) [120362] Re: RV Travels
by "George, W5YR" <w5yr@att.net>
65) [120363] Gray Paint -- Close Elecraft Match
by Chuck Carpenter <w5usj@9plus.net>
66) [120364] Re: OT mail delays
by Macstein@aol.com
67) [120365] Re: Gray Paint -- Close Elecraft Match

by Pete Burbank <plburbank@kih.net>
68) [120366] RE: RV Travels
by "Kory Hamzeh" <kory@avatar.com>
69) [120367] Butternuts and Wind??
by Chuck Carpenter <w5usj@9plus.net>
70) [120368] Re: OT mail delays
by Bob Nielsen <nielsen@oz.net>
71) [120369] Re: RV Travels
by "George, W5YR" <w5yr@att.net>
72) [120370] Re: RV Travels
by "Karl F. Larsen" <k5di@zianet.com>
73) [120371] Re: Butternuts and Wind??
by Ronald Hands <ronald.hands@sympatico.ca>
74) [120372] Re: RV Travels
by "Bruzenak George" <bruzer1@mindspring.com>
75) [120373] Re: Butternuts and Wind??
by Dave Sjolin <sjolin@swbell.net>
76) [120374] RE: Butternuts and Wind??
by "Roger A. McCarty" <rmccarty@earthlink.net>
77) [120375] Re: Butternuts and Wind??
by <n2go@arrl.net>
78) [120376] Re: Butternuts and Wind??
by "Ron Polityka" <wb3aal@fast.net>

Date: Mon, 18 Feb 2002 18:07:55 -0600
From: "tmyers" <tmyers@AcademicPlanet.com>
To: <lew@paceley.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [120299] Re: Yet Another ARRL DX Test Account (Long)
Message-ID: <001901c1b8d9\$7d34a260\$0100a8c0@newkid>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I experienced the same thing. I wonder what the point is as K or KW
would do the same thing. Anybody know?

KQ5U, Terry
Spring, Texas

----- Original Message -----
From: Lew Paceley <lew@paceley.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Sunday, February 17, 2002 9:25 PM
Subject: Yet Another ARRL DX Test Account (Long)

> I really wasn't intending to contest this weekend. Turned on the
> radio and blam, I'm in the middle of DX pandemonium. Having recently
> moved to a new QTH I've had to reset all my awards totals so I
> thought, "hey, I'll grab a few countries QRP and try the contest". No
> goals, no computerization...totally and completely unprepared. I have
> two temporary antennas, an endfed 20m dipole thrown over one side of
> the roof and an endfed 40m dipole thrown over the other side of the
> roof, max height of either about 20 feet. I do live on a hill
> surrounded by other hills so I continue to hope for some low angle
> takeoff advantage but its not clear I have any.
>
> Start operating my first CW DX test and I'm having a blast. The CW
> speed is challenging and busting through pileups with only 5W is
> tough. First QSO in the log at 1555Z with JA3YBK on 20m. Wow, Japan
> on 5W! I operated a few hours on and off. Quit shortly after 1 AM
> central after logging New Zealand and the Canary Islands. With the
> other QSOs WAC QRP! Got a good nights sleep. First QSO Sunday AM at
> 1545. Decided to try and stay with it and see how many countries I
> could work til the end of the contest.
>
> Grand total: 58 countries and 77 Qs, 40m-10m. Spent most of my time
> in S&P mode looking for the new countries so my Q total is not high.
> In retrospect I probably should have been pushing the Qs near the end
> when the new countries are few and far between. I forgot about the
> 100Q pin - next time!
>
> Highlights:
> - 57 new DXCC entities QRP, up from 3 :-)
> - WAC QRP
> - Working 4U1ITU after hearing Mac, AF4PS get him
> - Working Alaska, 40m-10m and Hawaii on 40m and 10m
> Tnx KL7Y and KH7R teams!
> - Finally working Guantanamo Bay...so close but so far.
> - The patience of the DX ops in pulling a weak QRPer through
> despite the repeats and fills
>
> Lowlights:
> - Never heard any VKs, nor any PYs - for this QTH, odd.
> - EA8s were the only African stations heard
> - Only heard one continental EA and no Portugal
> - Heard T99W in Bosnia but couldn't bust through
> - Finally hearing a NP4 in the final 10 minutes but no QSO
>
> For the upcoming CQ WW DX and next year's contest:
> - Schedule the weekend ahead
> - Thoughtfully set goals

> - Better antennas
> - TR Log competency, computer keying
> - Solid 40wpm contest receive speed
>
> This weeks brain tickler: why send 'nnn' rather than 'kw'?
>
> 72/73,
> *Lew*
> N5ZE
>
>

Date: Mon, 18 Feb 2002 19:12:44 -0500
From: adamvaz@palm.net (Adam Vazquez)
To: kory@avatar.com, qrp-1@Lehigh.EDU
Subject: [120300] Re: Portable operations with end feed antennas
Message-ID: <20020219001244.E93FE4532@mo110uhou.palm.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

De kory@avatar.com

This may be a real stupid question, but here goes. I'm going camping next month and I want to take one of my QRP rigs and use just an end fed wire antenna with counterpoise for each band (40, 20, 30, and 15). I plan to throw the end of the antenna up in a tree, as high as I can. Now, what happens if a big just of winds blows and drags my radio, tuners, paddles right off of the picnic table?? How do you guys circumvent this problem?
Don't laugh, I've only used verticals in the past for portable ops.

You plan with foresight what your operating position will be at. Proper fixation of the feedline should stop everything short of someone pulling the feedline. I use kite string instead of fishing line.

Adam Vazquez Kb2Jpd
adamvaz@mobile.att.net

Date: Mon, 18 Feb 2002 19:13:19 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kory@avatar.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [120301] Re: Portable operations with end feed antennas
Message-ID: <001901c1b8da\$3ed65620\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, I used to use an MFJ tuner with my rig. I'd load up anything I could find, including an old electric fence (yes, it WAS disconnected and out of service, at least as an electric fence). When I did that, I'd always use the binding post on the back of the MFJ tuner which would accept a banana plug. If the wire got yanked, the plug just pulled out.

Ok, ok, to be honest, I did sometimes clip with an alligator jumper, but even that would just 'pull off' if it got yanked.

Now with the K2, with built in ATU, I have a BNC to clip cable, and I'm at the mercy of how strong the clips hold...

Mike

----- Original Message -----
From: "Kory Hamzeh" <kory@avatar.com>

>
> Guys,
>
> This may be a real stupid question, but here goes. I'm going camping next month and I want to take one of my QRP rigs and use just an end fed wire antenna with counterpoise for each band (40, 20, 30, and 15). I plan to throw the end of the antenna up in a tree, as high as I can. Now, what happens if a big just of winds blows and drags my radio, tuners, paddles right off of the picnic table?? How do you guys circumvent this problem? > Don't laugh, I've only used verticals in the past for portable ops.
>
> And one more question: since I will have a 40M counterpoise, will I also need one for 15M?
>
> Thanks,

> Kory
> AC6RN
>
>

Date: Mon, 18 Feb 2002 19:57:32 -0500
From: "Vincent A. Santis" <vsantis@earthlink.net>
To: "Tentec (E-mail)" <tentec@contesting.com>
Cc: "QRP List (E-mail)" <qrp-l@lehigh.edu>
Subject: [120302] Brass Racer Paddles
Message-ID: <01C1B8B6.928C2020.vsantis@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi,

I have an opportunity to buy a pair of Vibroplex Brass Racer Paddles. those mounted on a triangular wood base. These are equipped with some electronics, a thumb wheel and provision for a 9v battery. Can someone explain the electronics and also what might be a fair price for the paddles in good condition?

Thanks,

Vince Santis, N1VS
Winsted, CT
NEQRP # 598
PRP-L # 2372
FISTS# 8053
CC # 1161

Date: Mon, 18 Feb 2002 19:54:06 -0500
From: Jim Campbell <jim-c@nc.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [120303] Re: Radial Installation
Message-ID: <3C71A22E.A79FD4FA@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I haven't tried this myself, but I have been told that a power washer is really handy for cutting narrow slits in the ground into which your

radials may be pushed.

Jim Campbell
W4BQP K2 #2268

Date: Mon, 18 Feb 2002 17:05:49 -0800
From: "Lofgren, Charles" <charles.lofgren@claremontmckenna.edu>
To: "'pschweit@mninter.net'" <pschweit@mninter.net>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [120304] RE: difficulty tuning the BLT tuner
Message-ID: <C8B79FB0EC51C743889E90259C6209A90FFAF6@mss2-mach.MCKENNA.EDU>
Content-return: allowed
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> -----Original Message-----

[snip]

>

> I am using the BLT tuner on an N5FC notebook antenna.

>

> The question is : does it make a large difference to use speaker wire
> instead of twin lead?

>

> it almost tunes on 10,,, does not tune on 15 and 20

>

> Philip

> KA0PGQ

>

Philip--

When Doug Hendricks asked me to design the BLT for a NorCal kit project, he asked for a single-band tuner for 40 meters. I told him I thought I could do better than that using the components that he had available.

The result in the BLT is a design covering 40, 30, and 20. But with the available variable poly caps, it's still something of a stretch at the limits of 40 and 20. You can experiment with the inductance in the main tank circuit (L1) and optimize the BLT for either 40/30 or 30/20 and get more reliable coverage on either one of those pairs. (Playing with the number of turns in links may also help with the impedance range. I recommend in any case that the smaller link be reduced from 6 to 4 turns.)

The BLT is NOT intended to cover the bands above 20, although some antenna/feedline combinations on the higher bands will present impedances at the tuner that it will handle.

If you want full coverage from 80 through 10 meters, try a regular Z-match. I published a design in volume 5 of the ARRL's Antenna Compendium series, and earlier in QRP Quarterly. (I can provide gist of the QRP Quarterly article as part of an info packet that I have available by return email. The packet also includes additional references that you might want to check.) Emtech has a similar but not identical design available in its ZM-2 kit. (The EmTech version derives from a design some years back in Sprat, the British QRP magazine.)

If you can find dual 265 pf poly caps (which isn't easy to do), you can easily convert the BLT into a full-bore 80-10 meter Z-Match, using either my version or the Emtech/Sprat version of the circuit.

I hope this helps.

72,

Charlie Lofgren, W6JJZ

#####

This message has been scanned by F-Secure Anti-Virus for Microsoft Exchange.
For more information, connect to <http://www.F-Secure.com/>

Date: Mon, 18 Feb 2002 20:18:59 -0500
From: "Alex Turner" <aturner13@triad.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [120305] New scope
Message-ID: <006c01c1b8e3\$7059b9e0\$98641a42@triad.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone seen a good deal on a dual trace scope, at least 40 Mhz. I have an old Tektronics 454, but it is too cumbersome for me to move about easily plus it's only 20 Mhz. I would like to stay under \$700 if possible.

BTW, I just retired(disability) last Friday so now for some serious operating and building and contributing to this group and I promise not to to become a PIA old f_ _t.

Thanks

Alex N4BYJ

Date: Mon, 18 Feb 2002 18:26:45 +0000
From: "James R. Duffey" <jamesd1@flash.net>
To: <kory@avatar.com>
Cc: qrp-l <qrp-l@lehigh.edu>
Subject: [120306] Keeping the rig on the table
Message-ID: <B896F7E5.11B99%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Kory - You ask a good question:

"Now, what happens if a big just of winds blows and drags my radio, tuners, paddles right off of the picnic table??"

When using a half wave end fed antenna on a picnic table, I use a small wood clamp. These are available in both conductive and nonconductive (fiberglass?) forms . I mount a binding post on the clamp. Insulate it if you are using a metal clamp. Clamp the clamp to the p[icnic table. Then, run the end fed wire to the binding post, and connect the rig or tuner to the binding post. The clamp will prevent the wind from blowing your rig away.

Let us know how your camping trip comes out. - Dr. Megacycle KK6MC/5

--
James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Tue, 19 Feb 2002 11:43:29 +1100
From: "Ian C. Purdie" <ianpurdie@integritynet.com.au>
To: electronics-q-and-a Moderator <electronics-q-and-a@egroups.com>, Flying Pigs <fpqrp-l@mpna.com>,
Subject: [120307] A very useful site for data sheets
Message-ID: <3C719FB1.A36D3ECC@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

This site was drawn to my attention today. It is very useful for locating data sheets although probably nothing much for glowbugs.

.
<http://www.datasheetlocator.com>

72/73's

Ian C. Purdie

"I believe Australia is the best address on earth"

Do come and visit us in Australia.

<http://www.australia.com>

Budgewoi N.S.W. Australia - Co-ords S33 14', E151 34'

My FREE Newsletter: <http://www.electronics-tutorials.com/subscribe.htm>

VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 FP#91

<http://www.electronics-tutorials.com/>

Date: Mon, 18 Feb 2002 20:34:17 -0500
From: "Joe Malloy" <jmalloy@hamilton.edu>
To: <vsantis@earthlink.net>,
 "Tentec \ (E-mail\)" <tentec@contesting.com>
Cc: "QRP List \ (E-mail\)" <qrp-l@lehigh.edu>
Subject: [120308] RE: [TenTec] Brass Racer Paddles
Message-ID: <000401c1b8e5\$8beb74d0\$0100a8c0@Mozart>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Howdy:

I don't what a fair used price might be for the Brass Racer but the electronics are *supposed* to be a keyer (based on the Curtis 8044 chip?). Perhaps someone else will chime in.

73,

Joe, W2RBA (who used his Jupiter and G5RV during the DX contest this past weekend exclusively on 10 and 15 meters -- good conditions, great receiver!)

> -----Original Message-----
> From: tentec-admin@contesting.com [mailto:tentec-admin@contesting.com]On
> Behalf Of Vincent A. Santis
> Sent: Monday, February 18, 2002 7:58 PM

> To: Tentec (E-mail)
 > Cc: QRP List (E-mail)
 > Subject: [TenTec] Brass Racer Paddles
 >
 >
 > Hi,
 >
 > I have an opportunity to buy a pair of Vibroplex Brass Racer
 > Paddles. those
 > mounted on a triangular wood base. These are equipped with some
 > electronics, a thumb wheel and provision for a 9v battery. Can someone
 > explain the elctronics and also what might be a fair price for
 > the paddles
 > in good condition?
 > Thanks,
 >
 > Vince Santis,N1VS
 > Winsted, CT
 > NEQRP # 598
 > PRP-L # 2372
 > FISTS# 8053
 > CC # 1161
 >

 Date: Mon, 18 Feb 2002 19:49:47 -0600 (CST)
 From: Bruce Rattray <rattray@gpfn.sk.ca>
 To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
 Low Power Group <qrp-l@LeHigh.EDU>
 Subject: [120309] transistor ID
 Message-ID: <Pine.LNX.4.33.0202181943410.22975-100000@neale.gpfn.sk.ca>
 MIME-Version: 1.0
 Content-Type: TEXT/PLAIN; charset=US-ASCII

I came across a few packages of transistors and tried to ID them through Google....the result was "no match"...can anyone point me in the right direction please?...using a magnifying glass this is what my old eyes seem to see on the plastic cases of these transistors...

M606	M617	M701	M543	M809	M541	MT1
4573	4573	0006	4573	S-93	4575	S-93
EBC	EBC	EBC	EBC	EBC	EBC	EBC

...the above is what I see on the flat side of the transistors...tnx...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Mon, 18 Feb 2002 21:27:56 -0500
From: "Charles Mabbott" <aa8vs@msn.com>
To: kory@avatar.com, qrp-1@Lehigh.EDU
Subject: [120310] Re: Portable operations with end feed antennas
Message-ID: <F7KhA9hb4ZjBCWLjLHv0000756e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

First things first, think banana plugs. I have had excellant luck with banana plugs and they easily plug into the MFJ tuners. If you get a wind or maintenance man tugging on the wire the banana plug just pulls right out and the rig does not fall off table.

The second question, yes a counter poise for the lowest band you plan on working if multiple. Do you need a seperate one for each band, theoretically yes, but I have done OK with a 100 feet of wire for both antenna and counterpoise and use a tuner. Shortest I have used is 66 feet on both and this will let me work 75/ 80

73 oo
Chuck AA8VS

>From: "Kory Hamzeh" <kory@avatar.com>
>Reply-To: kory@avatar.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Portable operations with end feed antennas
>Date: Mon, 18 Feb 2002 15:10:09 -0800
>
>
>Guys,
>
>This may be a real stupid question, but here goes. I'm going camping next month and I want to take one of my QRP rigs and use just an end fed wire

>antenna with counterpoise for each band (40, 20, 30, and 15). I plan to
>throw the end of the antenna up in a tree, as high as I can. Now, what
>happens if a big just of winds blows and drags my radio, tuners, paddles
>right off of the picnic table?? How do you guys circumvent this problem?
>Don't laugh, I've only used verticals in the past for portable ops.
>
>And one more question: since I will have a 40M counterpoise, will I also
>need one for 15M?
>
>Thanks,
>Kory
>AC6RN
>

"Racial interaction is described by Physics,
for every action there is an opposite
reaction. We hate them, they hate us, and
we hate them back. And there you are, we are
trapped by mathematics."

-Londo B5

<http://aa8vs.dhs.org:81/aa8vs>

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<http://www.hotmail.com>

Date: Mon, 18 Feb 2002 20:33:06 -0600
From: Lew Paceley <lew@paceley.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [120311] Re: QRV in ARRL Contest using SW40+
Message-ID: <005d01c1b8ed\$c3726aa0\$6501a8c0@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: 7BIT

Hi Tom,
It was my experience that contacting stations running "low" power was
often easier than contacting the KWs since my signal was much closer
in signal strength to theirs. Nearly all the "nn" or "att" contacts
were made on the first call. I didn't work a single DX QRPer in the

77 Qs I made...I'll have to do better next time!

72/73,
Lew
N5ZE

Date: Mon, 18 Feb 2002 23:04:43 -0500
From: "T.J. \"Skip\" Arey N2EI" <tjarey@tjarey.com>
To: QRP-1 <qrp-1@Lehigh.EDU>
Subject: [120312] Re: Broadcast Band Verticals
Message-ID: <5.1.0.14.0.20020218230114.009f8130@mail.tjarey.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

Another thing you must keep in mind. To a certain degree, most broadcast band stations are also seeking to limit their interference into the coverage areas of stations in other locations on the same frequency. Broadcast Band transmitting is a complicated balancing act between promising your advertisers maximum coverage area while promising the F.C.C. that your coverage won't infringe on the signals of others.

+++++

T.J. "SKIP" AREY N2EI

Specialization is for insects! LAZARUS LONG

Date: Mon, 18 Feb 2002 20:12:08 -0800 (PST)
From: Jack WsixABC <w6abc@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [120313] Tiny Tornado test #2 tonight 0530UTC 7.040
Message-ID: <20020219041208.33418.qmail@web14207.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Think I'll test once more tonight with my Tiny Tornado (rev. c) running tonight on 12v battery power. So I'll be putting out about 500mW this time. Antenna will be directed to the ENE this time. Will be calling CQ on 7.040 beginning at 0530 UTC

tonight (Monday) and will stay on freq for about 30 minutes. Hopefully the freq will be clear.
Last night thanks to John K7FD for his 5-8-9 report at 250mW using 9v battery power.
If you hear me and I don't come back just email me a report if you would.
73/72,
Jack W6ABC in Oakland

=====

Website: <http://home.pacbell.net/friday2k>
QRP-L #2193 SOC#165 K2#1272 K1#37 QRPp-I #176

Do You Yahoo!?
Yahoo! Sports - Coverage of the 2002 Olympic Games
<http://sports.yahoo.com>

Date: Mon, 18 Feb 2002 23:45:37 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: plburbank@kih.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [120314] Re: Radial Installation
Message-ID: <3C71D871.D4765926@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If you must bury your radials, two old tricks work, a hatchet or a shovel. They don't have to be buried that far below the ground. A small hatchet will cut a small slot into which you can push the wire. If you don't have a hatchet, a shovel will work as well! Actually, if you start in the spring, you can just lay them on the ground and let your lawn do the burying! You really don't have to wait for rain and get all muddy either!

73

Date: Mon, 18 Feb 2002 22:56:23 -0600
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-l@Lehigh.EDU
Subject: [120315] Re: vertical antenna question
Message-ID: <YT984ZYUGBOIWRPJ2X64737598VT85S0.3c71daf7@aweiss>
MIME-Version: 1.0

Content-Type: text/plain; charset="windows-1252"

Hi all:

My 2 cents:

" If verticals are so bad, why then, do nearly all the commercial broadcast stations use them!"

There's more to those verticals that meets the eye. If two or more are installed, they are phased to produce the coverage area OK'd by the FCC. If only 1 is up, then its radial system is either symmetrical for full coverage, or, as I've been told, asymmetrical to produce limited coverage.

72, ADe

Date: Mon, 18 Feb 2002 22:56:55 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <w2agn@pobox.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [120316] dipole working well
Message-ID: <02c401c1b901\$da6e6ba0\$4e100a0a@rohredt2000>

John, did you consider that that the loop may be coupling to lossy things around it, and the dipole does not?
Often no one antenna works for all occasions, that is why although a happy owner of the Asymmetric Vertical Dipole, I also use horizontal antennas when I can keep them up!

The state of the Fresnel Zone, the far field of your antenna site may be affecting your results, especially if the loop is over some uneven ground. An inverted Vee, it is known, if the legs are near vertical enough, functions as a fat vertical with good low angle DX favoring radiation. Thus, the entire antenna environment affects the antenna.

Many hams just never consider their surroundings, and complain say, if they put a vertical ground mounted next to 50 foot high voltage tower! If they are in an intense vertically polarized noise environment from power lines, or electric signs, I would suggest the loop as a magnetic radiator immune to the electric field noise, or at least less affected by it.

I would say one should put up some balanced resonant antenna, if you do not know the surroundings RF character. Or at least a balanced antenna or loop that you can hook to a transmatch for multibands. If you have clear field around you, then other types might work well. The guy that puts a beam on a 50 foot tower with power line poles also at 50 feet in the alley, is not getting his money's worth when he aims in the direction of the power lines. He should go above the power lines in tower height, or even below.

I wonder if now you can say there are some possible factors in the antenna field that are affecting your antennas in this way?

72,

Stuart K5KVH

Date: Tue, 19 Feb 2002 00:05:10 EST
From: RLemmel@aol.com
To: fpqrp-1@mpna.com, qrp-1@lehigh.edu
Subject: [120317] Tuesday Truffle
Message-ID: <13f.99cbfe7.29a33706@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Well, truffling is winding down and Tuesday is my final shot of this round. I'll be found somewhere between 7044 and 7048 or so at the usual 8:30 pm EST. The exchange will follow the time honored <urcall> 559 oh randy 5w <urcall>. I will listen up .5 to 1.5 or therabouts unless there is other traffic in that vicinity. If so will then listen down. Hope to catch you then.
72/oo-randy,wv9n

Date: Mon, 18 Feb 2002 23:39:38 -0600
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-1@Lehigh.EDU
Subject: [120318] Re: Vertical Antennas -- the Compromise
Message-ID: <A6NK750IMLU6344WD0RB43008A.3c71e51a@aweiss>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

Hi gang:

Thought I might mention where the vertical has the advantage over a

dipole: when there is no way to put up a horizontal antenna at least a halfwave above ground at your QTH.

In this case, an efficient vertical (with a good radial system) will beat a low (electrical height above ground) dipole below about 40-deg elevation. At a halfwave height and above, the low angle radiation from the dipole overtakes and eventually swamps the vertical's radiation -- at least in the major lobes of the dipole. However, in the dipole's nulls (off the ends), the vertical will be superior, depending on how deep the null in the dipole's radiation pattern actually is -- which usually is not as deep as the calculated patterns you see in the books.

The height problem exists primarily on the low bands (160-40). 66ft height for 40m is generally difficult to come by mechanically -- a couple of nice trees is good reason for buying real estate!

The beauty of the dipole is it takes no work beyond cutting and soldering and hanging. To make a vertical competitive takes a lot of work -- well, if you're going to bury radials or figure out how to string a couple of radials for each band up on the roof. For complete cancellation of the radiation from elevated radials, they have to be in a straight line. Any deviation produces a radiated field that adds/subtracts with the vertical's radiated field.

72, Ade W0RSP

Date: Tue, 19 Feb 2002 18:04:02 +1100
From: "Graeme Zimmer" <gzimmer@optushome.com.au>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [120319] Re: vertical antenna question
Message-ID: <01b401c1b913\$9ca94260\$0886a4cb@C03043446A>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> If verticals are so bad, why then, do
> nearly all the commercial broadcast stations use them!

Commercials need to maximise their local coverage (ground wave)

and minimise their skywave.

Because their frequency is (usually) re-used many times across the country, the licensing authorities actually require them to have a null at a certain vertical angle.

The Antenna loading and length is adjusted to achieve this null.

..... Zim

Date: Tue, 19 Feb 2002 02:51:12 -0800 (PST)
From: Jim Cluett <w1pid@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [120320] Re. Portable Ops with End Fed Antenna
Message-ID: <20020219105112.32170.qmail@web11605.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Kory - I'd suggest using strain relief.
Before connecting to your tuner, wrap the
wire (or a string attached to the wire)
around a picnic table, a rock, or branch
or a backpack near your tuner. That way if
the wind tugs, the tension never goes to
the connection. very best, Jim w1pid@arrl.net

Do You Yahoo!?
Yahoo! Sports - Coverage of the 2002 Olympic Games
<http://sports.yahoo.com>

Date: Tue, 19 Feb 2002 05:58:01 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: kory@avatar.com, qrp-l@Lehigh.EDU
Subject: [120321] Re: Portable operations with end feed antennas
Message-ID: <20020219.055936.-135155.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

If you only have two tools in your kit,

one best be vicegrips and
the other a MFJ 259 or equivalent.

John
N3AAZ
FM 19 xa

On Mon, 18 Feb 2002 15:10:09 -0800 "Kory Hamzeh" <kory@avatar.com>
writes:

>
>Guys,
>
>This may be a real stupid question, but here goes. I'm going camping
>next
>month and I want to take one of my QRP rigs and use just an end fed
>wire
>antenna with counterpoise for each band (40, 20, 30, and 15). I plan
>to
>throw the end of the antenna up in a tree, as high as I can. Now,
>what
>happens if a big just of winds blows and drags my radio, tuners,
>paddles
>right off of the picnic table?? How do you guys circumvent this
>problem?
>Don't laugh, I've only used verticals in the past for portable ops.
>
>And one more question: since I will have a 40M counterpoise, will I
>also
>need one for 15M?
>
>Thanks,
>Kory
>AC6RN
>

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Date: Tue, 19 Feb 2002 04:17:29 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <aweiss@usd.edu>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [120322] Re: vertical antenna question
Message-ID: <000901c1b937\$05bb8600\$b6dd070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

When first in Idaho I had a 5BTV vertical the base was on a pole 10 feet off the ground with radials for each band strung out all over the place, and with 100 watts I was able to keep in touch just about daily with friends in Maine on 75 M. After putting a inverted V at 35 feet I have not had the same results. so in some cases a vertical does work. 72 Cal KF7ET

----- Original Message -----

From: "Adrian Weiss" <aweiss@usd.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, February 18, 2002 9:56 PM
Subject: Re: vertical antenna question

> Hi all:
>
> My 2 cents:
>
> " If verticals are so bad, why then, do nearly all the commercial broadcast
stations use
> them!"
>
>
> There's more to those verticals that meets the eye. If two or more are
installed, they
> are phased to produce the coverage area OK'd by the FCC. If only 1 is up,
then
> its radial system is either symmetrical for full coverage, or, as I've
been told, asymmetrical
> to produce limited coverage.
>
> 72, ADe
>
>
>

Date: Tue, 19 Feb 2002 07:48:18 -0500
From: "Walt Amos" <k8cv@netzero.net>
To: <qrp-1@lehigh.edu>

Subject: [120323] Antennas
Message-ID: <002101c1b943\$b4e8fd40\$e7243b41@walmartamos>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wow, it's been a long time since I typed that address!

Verticals work! Yes, they do! Low angle of radiation if put up correct.
Usual disclaimer, read the ARRL ANTENNA BOOK :-)

Loops didn't work for me, but they may for you ? Worked a lot of guys with
big low power signals using LOOPS !

Dipoles Work! I have an inverted vee dipole up about 60 feet under the beam
and it works much better for close in USA stuff, the GARAGE roof mounted
TRAP (oh , ugly word , loss) mounted 4 BTV (which is strong enough to
survive ICE storms) works EUROPE much better (40 meters) than the two
dipoles I have. Your results may be different, your attic antenna may work
better :-)

My ground mounted 33' vertical works just about the same as the roof mounted
one.

NATURALLY the TH7DX works also :-) It is a about 65' !

Walt K8CV Royal Oak, Mi.

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Date: Tue, 19 Feb 2002 08:09:44 -0500
From: "Bob" <ara1@trsvr.tr.unisys.com>
To: <wr3i@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [120324] Re: A question for "G" stations?
Message-ID: <005b01c1b946\$b59b55f0\$35c03fc0@na.uis.unisys.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Dave - That was the Joystick antenna. I bought one in the sixties and in fact have a rebuilt one and have it tie wrapped to a post on my deck. It is a centered loaded vertical - 7 1/2 feet in length. Going from the bottom up, there is a 31 1/2 inch section of 3/4 inch copper pipe with a connection at the bottom to 8 feet of insulated wire which goes to an antenna tuner. Above this section is a 36 inch wooden dowel which fits into the 1 inch pipe. The 1 inch dowel (you will need to whittle this to fit the pipe) has 55 feet (197 turns) of #12 ga formvar copper wire on it which is connected to the bottom section of pipe at one end and the top section of pipe at the other end. The dowel fits into the top 43 3/4 inch section of pipe. You can cover the coil with plastic pipe and seal it. I just started playing around with it and my FT-817 and it seems to work ok. CQ magazine did a review on it at one time and it compared very favorably with a 3 element beam on 10, 15, and 20. The antenna covers 2 to 30 MHz. It works fine with an MFJ tuner. The single wire feeder should be either 8 ft, 33 ft or 59 ft. The feed line is part of the antenna and if you are running high power it will be hot. Use a brass bolt and nut at the top and bottom of the dowel and pipe to hold it together and connect the coil. I used this antenna while going to ASU in Tempe, AZ and it worked great into the Pacific region on ten meters.

73, Bob, K3QXH

----- Original Message -----

From: "Dave" <wr3i@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Saturday, February 16, 2002 3:59 PM

Subject: A question for "G" stations?

> I don't know if there are any British amateurs on this list but I am an
> expat and I am looking for information on an old! antenna that was
> around in the late 60's I want to build one and am not quit sure of
> the design. I think it was called a joystick? it was made from a 6foot
> or so Broom stick wrapped with aluminium foil and center loaded
> an a single wire from the to i think the wire was about 30 feet long it
> would tune all bands i Think?
> any body know any thing about this?
>
>
>

Date: Tue, 19 Feb 2002 06:19:01 -0700

From: Bruce Grubbs <mail@brucegrubbs.com>

To: kory@avatar.com,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [120325] Re: Portable operations with end feed antennas
Message-ID: <5.1.0.14.0.20020219061448.00a9f5f8@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Kory,
Before launching the antenna, I lay out enough wire to reach the rig plus a little, and then tie the station end of the wire around a tree limb or other non-conductive object. I use a single overhand knot, and it doesn't affect the antenna at all.

Since I use lightweight wire (teflon #26), I launch it with 15 lb fishing line and a half filled 16 oz plastic bottle. If I can, I leave the bottle hanging on the far end to act as a counterweight, leaving the wire free to move as the tree(s) sway. I've never had the wire break.

73,
Bruce

Bruce Grubbs
N7CEE
Flagstaff, Arizona
DM45ef
mail@brucegrubbs.com
www.brucegrubbs.com

Date: Tue, 19 Feb 2002 07:04:25 -0700
From: "Michael J. Golini, K1SLT" <mgolini@home.com>
To: <qrp-1@Lehigh.EDU>
Subject: [120326] Re: K1 4 Bander for Sale
Message-ID: <NFBBIKCEILJALLKKIILGAEICCEAA.mgolini@home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The K1 4 bander that was offered for sale has been spoken for. Thanks to all

who inquired about it.

72

Mike Golini, K1SLT
QRP-L #2362, QRP-I #11000
#975, Code Warrior Jr. #954
<http://members.cox.net/mgolini/>

Date: Tue, 19 Feb 2002 09:05:46 -0500
From: "Tom Pennebaker" <n4rs@netpath-rc.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [120327] RE Radials
Message-ID: <00a301c1b94e\$8991b5a0\$e52a1bce@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Who posted the question on laying radials? I have a FULL 5/8 vertical on 40 meters with 90 radials. Send me a direct email, will intertain you.....been there, done that!.....Tom N4RS

Date: Tue, 19 Feb 2002 08:49:02 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu
Subject: [120328] Butternut *FOX & DX Killer* Vertical
Message-ID: <3.0.2.32.20020219084902.00827c80@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Had to add to this...

My vertical is a Butternut HF9V ground mounted with 8 radials which are the length of the vertical element. It's mounted over clay ground that has a high iron content. I'm on a slightly sloping lot surrounded by a dense woods. I feed it mostly from a FT-847 through an MFJ-969 transmatch.

I consistently work most of the FOX stations with only 2 misses this season. DX doesn't seem to be a problem as I get most of them I try for. Sometimes the pileups are just too unruly to make much of an effort.

I've had good success with the vertical on 40, 30, and 20. I've used the vertical on 80 but it's not great. Probably more radials would help here and I have the wire to do it when I get a round to it. I also have multiband dipole mounted as an inverted V up 35 ft in the middle. It doesn't work as good as the vertical on 40 and 30 (too low) but does fine on 20 thru 10. For 160 meters, I tie the ends of the feed line to the dipole together and feed it as a top loaded long wire. For close in work on 40 the low-mounted dipole seems to work better than the vertical (NVIS?).

I have room on my 3 wooded acres for more antennas but these do the job for me on HF. If you have room, put up a variety of antennas to suit your needs. If I had to choose for a small lot, I'd stick with the vertical if there is room for radials. Otherwise, I'd use a dipole probably mounted as an inverted V.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, SOC #57, 6 Club #201, SMIRK #6275
Zombie #759, QRPp-I #115, COG #11, NETXQRP <http://www.netxqrp.org>

Date: Tue, 19 Feb 2002 09:06:19 -0600
From: "Rene Correa" <correalaw@earthlink.net>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [120329] Working with aluminum stock
Message-ID: <000b01c1b956\$fce9eec0\$ec9efea9@rene>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I read with much interest the recent thread regarding the dangers of grinding aluminum. I'm planning to build a small boom/boom-to-mast plate assembly out of some available 3/16" 6061 plate stock and 1.5" 6063 tube stock. Can anyone give me some sage advice regarding cutting the stock to size? Is there any problem cutting the stock with a jig saw or table saw equipped with a metal-cutting blade? Many thanks and 73.

Rene, K5JX
k5jx@arrl.net

Date: Tue, 19 Feb 2002 10:39:51 -0500
From: <duffy01@fuse.net>

To: w5usj@9plus.net,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120330] Re: Butternut *FOX & DX Killer* Vertical
Message-ID: <20020219154126.VALG18634.mta03.fuse.net@smtp.fuse.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I agree with the comments on the Butternut. I have had the same antenna for about 12 years and it works wonderfully. The only difference is that I do not use radials, but it is mounted on clay soil with a high iron content.

Regards,

Duffy - WB8NUT

>
> From: Chuck Carpenter <w5usj@9plus.net>
> Date: 2002/02/19 Tue AM 09:49:02 EST
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Subject: Butternut *FOX & DX Killer* Vertical
>
> Had to add to this...
>
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> an inverted V.
>

>
>
>
> Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
> QRP-ARCI #5422, QRP-L #1306, SOC #57, 6 Club #201, SMIRK #6275
> Zombie #759, QRPP-I #115, COG #11, NETXQRP <http://www.netxqrp.org>
>

Date: Tue, 19 Feb 2002 10:41:53 -0500
From: "Kwik, Ed " <ed.kwik@delphiauto.com>
To: "QRP-L (E-mail)" <qrp-l@lehigh.edu>
Subject: [120331] MI QRP Net Tonight 9:00 PM Eastern Time 3.535 MHz
Message-ID:
<9F176F70FD71AC48AFC36F879D2B84E301B06F65@tryexch01.NorthAmerica.DelphiAuto.net>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

It is Tuesday again. The Michigan QRP net will start at 9:00 PM Eastern Time on 3.535 MHz. ALL check ins are welcome.

Ed AB8DF Waterford, MI

Date: Tue, 19 Feb 2002 10:44:03 EST
From: N4SKS@cs.com
To: qrp-l@lehigh.edu
Subject: [120332] Re Butternut
Message-ID: <88.1422398f.29a3ccc3@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Anybody have any comments about the butternut HFV-2 80 and 40 meter verticle.

thanks Les K4NK

Date: Tue, 19 Feb 2002 08:00:20 -0500
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [120333] Antennas
Message-ID: <NFBKLDHALEHCJMAJPKFOEIACLAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I *MISS* my outside antennas ...

By far the best antenna situation I ever had was when I was in Florida, I had a full wave loop on 160 and my version of a 'minooka special' vertical on the roof. The loop could transmit and receive any band with the tuner, and without it on 160.

The Minooka, which was 40 feet of vertical aluminum pole, with three 50-foot 'guy' wires, electrically connected at the top and tied to nylon rope at the bottom for support, was the most awesome transmitting antenna I ever had. I called it my 'aluminum linear.' It had 5 quarter wave radials for every band I worked, some of them draped over the edge of the house and some of them had all sorts of criss crosses, but 5 for every band I used.

The Minooka was the transmit antenna, and the loop was the receive antenna, for MOST contacts. The loop had much lower noise by far on receive than the vertical, but the vertical had a takeoff angle to die for. My 10 watts on HF out did a lot of guys running 100 and more. (yeah, 10 watts was qrp enough back then lol, and 100 watts was really QRP on 160 meters, they all ran the gallon and a half.)

Antennas is what got me into qrp in the first place. It was a test to see how efficient I could get the things to radiate, the whole miles per milliwatt thing.

HEY!!!!!! Last night I worked a fella in Pittsburgh with my apartment antenna on 10 meters. He gave me a 5x0 at first, then noticed I was off the side of his beam ... pointed the thing at me and gave me a 5x8!! I was running about 4 watts pep sideband and it was solid both ways for a while. Tracy did the happy dance!! Look for me in the evenings when the band is open from you to South Cali on ten!! lol

I seem to have lost my key in the move ... anyone got an old key with one of those huge crowbar sized levers and a big ol' navy knob they wanna trade or sell kinda cheap??

Tracy N4LGH

Date: Tue, 19 Feb 2002 10:03:25 -0000
From: "frank5838" <frank5838@email.msn.com>
To: "_" <qrp-1@Lehigh.EDU>
Message-ID: <006601c1b92c\$ada11840\$c7adfea9@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Looking for a vertical for 80 & 160 Thank you
73es 72es 161 to all

N5VT Frank support QRP

Date: Tue, 19 Feb 2002 11:05:04 EST
From: WE7X@aol.com
To: QRP-L@lehigh.edu
Subject: [120335] Re: Portable operations with end feed antennas
Message-ID: <12.1aa0c4e7.29a3d1b0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Another idea is to take the ribbon lead concept and make up a counterpoise with one conductor of the correct length for each band you expect to use. That was done by Dave Gauding NF0R and called the "St. Louis Radials" in an article in the QRPp for fall of 1997 Pp.36-41.

I built a set for my Black Widow vertical, and they seem to work very well.

WE7X

Rod Johnson

Issaquah, WA.

Date: Tue, 19 Feb 2002 10:16:24 -0600
From: "Walter AG5P" <walter@cowboy.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120336] Re: A Smashing Success - CQC and C02KK !!
Message-ID: <003201c1b960\$c8c16100\$5c476ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Gang, getting in last night from Colorado and the CQC 8th Annual Dinner

event was a sad ending to a Wonderful 4 day trip. If you can imagine the

two nations and their passport agencies, State Dept's, U.S. Senators, Cuban agencies, Hams from two nations, airlines, delayed plane skeds, AND the driving force behind the 8th Annual Dinner which is the proud CQC leaders/mover's & shakers/members, then you would have a thimble full view of the picture of the effort to produce the Best Ever

CQC Annual Dinner in the Colorado QRP Club's history. This description at best is a very modest THANK YOU to all that made this dinner a challenge for all to top. Meeting and visiting with Arnie Coro C02KK is way better than just hearing a voice on Havana Radio's show. This Ham is an explosion of ham radio goodwill, homebrewing, re-cycling electronic parts, and simple yet effective antennas. The Oly's going on in Utah have nothing to even come in a close second to Arnie being a Gold Medal Winner.

The CQC prizes were equal to a major hamfest but of the QRP theme. My xyl, Joy NQ5R, won the Grand Prize which was the SWL PSK31 transceiver. Thank you so very much CQC, she has been bubbling over the prize and how to get it built and setup. She builds small projects for QRP but has never attempted a transceiver, and the building starts this weekend. I will get pixs of this wild woman and the hot soldering iron!

The ARA hamfest on Sunday was the icing on the cake for me, and Yes my old scrounging/bargining/scratching through the boxes on the floor, netted this OM a batch of nice hamfest trophies for QRP building.

Thanks to the group for the BTW, but just wanted to let everyone know that this event was truly a milestone in the Milestone City. (oops, sorry Marshall!)

72 / 73 Walter Dufrain, AG5P CQC#337 & Joy Dufrain, NQ5R CQC#338
.....Wright City, Missouri.....

Date: Tue, 19 Feb 2002 09:35:28 -0700 (MST)

From: "Karl F. Larsen" <k5di@zianet.com>
To: <N4SKS@cs.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [120337] Re: Re Butternut
Message-ID: <Pine.LNX.4.33.0202190934320.2641-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have one. Use it on far away Fox and it gets my 5 watts across the pond to Europe.

On Tue, 19 Feb 2002 N4SKS@cs.com wrote:

> Anybody have any comments about the butternut HFV-2 80 and 40 meter
> verticle.
>
> thanks Les K4NK
>

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Tue, 19 Feb 2002 11:36:48 -0500
From: "Tracy, Michael, KC1SX" <mtracy@arrl.org>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [120338] FS: K2 #1303, G4ZPY paddles
Message-ID: <125490A005E3D3118C9C00805FC743CC0217B9DC@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

For Sale - Elecraft K2, #1303. Has the SSB module and Auto-tuner options only. Firmware was updated once, but is not the latest version. Kenwood hand mic also included. Aligned and calibrated on professional test equipment. This rig has never been operated in the field and is in excellent cosmetic shape. Asking \$700.

For Sale - G4ZPY mini paddles. These are the very small iambic paddles with the magnet base that G4ZPY used to make. I don't have a picture available, but they are extremely well made and cost me ~\$140 originally. This set has been 'modified' for wider paddle spacing - the modification consists of a

couple of plastic spacers and longer screws (2 mm x 10 mm - a difficult find!), so it is easily removable. The set also has my call engraved on the top of the center piece, but since this piece is solid brass you could have a machinist remove it if you object. Asking \$100.

If someone wants both items, I'll part with the combo for \$775 and throw in the custom bracket for the K2 that I made for the paddles (painted to match the K2).

No, I'm not getting out of QRP - circumstances dictate the sale. I **will** build another K2 at a later date.

72, Michael Tracy, KC1SX

Date: Tue, 19 Feb 2002 09:09:08 -0800 (PST)
From: Shawn Upton <kb1ckk@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [120339] Re: Radials for Verticals
Message-ID: <20020219170908.81575.qmail@web10107.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

On a bit of a different side, I tried yesterday to finish my 80m vertical. Not expecting alot from this setup, it's a total compromise situation. Anyhow, I wound 115 feet of wire onto a 10' section of PVC. I made a 3 or 4 foot square pvc base, and tried to make a ground screen underneath it--ground coupled vertical. I don't have any other space for a ground plane.

Anyhow, didn't work. I know that pvc is lossy, but I was hoping that would help me. :) Just could not match at 80m. Plus, both my MFJ tuners are, I'm convinced, junk. The little mobile unit--949? 945?--kept telling me that I had a 2:1 SWR--even when I was transmitting into open coax. My good roller one--969?--worked much better, but the needle for reverse power sticks!!!! Have to keep tapping the meter for it to reset!

Anyhow, I wasn't hoping for great results--well, ok, so I was--but I guess my ground coupling scheme did not work out at all. Would a solid piece of sheet metal--3 or 4 foot square--work better? Or am I doomed? I simply cannot run more than a 5 or 6 foot

wire counterpoise.

Also, out of curiosity, can I make a hamstick resonate lower in frequency by adding wire *below* the hamstick? The 75m hamstick's don't work below 3.7 or so, and I'm wondering, if I add x amount of feet of wire below it, maybe it would match up? Of course, I couldn't get it to match through the tuner when the 75m hamstick on the car, but that was probably a grounding issue.

kb1ckt

Do You Yahoo!?
Yahoo! Sports - Coverage of the 2002 Olympic Games
<http://sports.yahoo.com>

Date: Tue, 19 Feb 2002 12:14:04 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <ku7y@qsl.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [120340] Re: N4DD Preliminary Log Delinquency
Message-ID: <1020119121236.MAA10254@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 2/16/02 10:00 PM, Monte Stark at ku7y@qsl.net wrote:

>And Bill, is this really the way to disagree? Heck, we
>haven't even called each other any names or threatened to
>put up kill filters or anything! On top of that we are
>still friends. Hmmmmm, we must be doing something
>wrong..... :-)

No, Ron, this IS the way to disagree....

>OK back in my hole....with all the comforts of home!

Just bought a 21 foot camping trailer myself. Can't wait for delivery.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Tue, 19 Feb 2002 10:49:03 -0700
From: "Bruzenak George" <bruzer1@mindspring.com>
To: <aa4lr@arrl.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [120341] Re: N4DD Preliminary Log Delinquency
Message-ID: <000801c1b96d\$b9257c60\$29e5b23f@bruzenak55>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bill Coleman wrote:

> Just bought a 21 foot camping trailer myself. Can't wait for delivery.

which brings up a question.

How many listers have an RV that they plan to use or already use for QRP or QRO work?

I will be fulltiming in a fifth-wheel sometime in 2002, and have the following for use in it:

QRO: Kenwood TS-570S(G)
High Sierra Screwdriver (will work on 6-80 meters)
Bencher key, RIGBlaster (PSK-31)
KAMPlus for winlink.org (free ??? way to get e-mails on the road)

QRP: Elecraft K1 4-bander
30' war surplus mast set up for rotatable dipoles (15, 20, 30, 40 meters)
Mini-paddle

The QRO stuff is permanent, inside the trailer; the QRP gear is for outside use.

Anyone else set up similar? I think I've got the bands that I use pretty well covered with the screwdriver and the dipole setup, and if necessary I could string up a wire.

We could start a new contest/award class -- Work All States from All Other States. Let's see - that'd be 50! or 3 to the 64th power contacts!!!
Anyone up to this challenge? (Of course, getting the trailer to Hawaii would be interesting by itself)

73 de George K0CNT

Date: Tue, 19 Feb 2002 12:29:20 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: duffyb01@fuse.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [120342] Re: Butternut *FOX & DX Killer* Vertical
Message-ID: <3C729980.1D9C5EDF@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

duffy01@fuse.net wrote:

>

> I agree with the comments on the Butternut. I have had the same antenna for about 12 years and it works wonderfully. The only difference is that I do not use radials, but it is mounted on clay soil with a high iron content.

I also agree with the comments on the Butternut. I have had HF2V up for about 12 years and it does work great. From the midwest I can work Europe just about any night of the week on both 80 and 40. Works great on 15 and also on 30 meters with coil for that band. Its maybe a little better than dummy load on 160 but then its only 32 feet tall. The antenna is ground mounted with about 12 radials. The ground is clay.

If you want to hear this antenna perform, listen for me as Cub Fox tonight on 7055.

73 de Dave, N0IT

Date: Tue, 19 Feb 2002 12:33:28 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: Qrp-1 Reflector <qrp-1@Lehigh.EDU>
Subject: [120343] FOX: Final Reminder - Tonight N0IT Cub Fox
Message-ID: <3C729A78.3B696DD6@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

N0IT will be your Cub Fox tonight starting at 8:00PM CST (0200Z

02/19 GMT), 9:00PM EST, 7:00PM MST, 6:00PM PST). Look for me around 7.055 MHz (+/- QRM), and will be working up 300-700 hz at the start of the evening's festivities.

My exchange will resemble the following: K5DI 559 MO DAVE 5W K5DI <BK>

If I copy your info OK, I'll send "TU" or "TU DE N0IT FOX", depending on how big the pile is. If I need a fill, I'll send RPT/SPC/NAME/PWR ? <BK>, or "K5DI AGN? <BK>" if I missed the whole shebang. PLEASE NOTE: The *ONLY* time I'll be sending anything with "?" is if I'm asking for a fill. PLEASE DON'T ALL JUMP IN AT ONCE IF I SEND "K5?". :-)

I'm going to do my level best to thin the pile early. If you don't have RIT or are not equipped to work split, try to spot yourself on the high side of my TX as far as you can, and still be able to copy me. I won't work any closer to my TX frequency than about 300 hz until I can thin out the pack. If you can't spot yourself that far away, please be patient, and let me clear the pile. When things die down, I *will* work closer to my TX freq, traffic permitting, as I want to give everyone a chance at a pelt. Sit back and listen for me to start working closer to my TX freq. If things slow to a crawl later in the hunt, and I'm calling CQ FOX to drum up business, I'll take you wherever you are, but if business picks up, I'll start working up 300 hz or higher again.

So, come one, come all, and get yourself a nice pelt.

Weather report last night included thundershowers so the band may be a bit noisy. Bare with me if I need a fill. Unless lightning is crashing overhead, I will be there for the full two hours. If I need to temporarily pull the plug, I will announce to qrp-l.

72/73,

Dave, N0IT

Date: Tue, 19 Feb 2002 10:15:25 -0800
From: Arth Silvers <w6ags@arrl.net>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [120344] Re: RFI Decoupling a switcher
Message-ID: <3C72963D.BDD6C85D@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, Stuart, it seems that the culprit is not the DC power connection from supply to radio. Tried a core choke and no difference. The RFI is

definitely being emitted from the plastic enclosed unit itself. Any radio in the vicinity as well as the radio being powered directly is subjected to the RFI which is being coupled to the antennae. When antennae are disconnected, RFI goes away.

Switching supplies will emit RF due to the nature of the principles employed. For that reason, allot of though about shielding has to go into the design. This little Radio Shack unit is a wonderful concept but a very poor implementation. I wouldn't recommend that anyone waste their money (\$50 regular price).

72

Arth W6AGS

Date: Tue, 19 Feb 2002 13:55:22 -0500
From: "Tracy, Michael, KC1SX" <mtracy@arrl.org>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [120345] FS: K2 #1303 ...
Message-ID: <125490A005E3D3118C9C00805FC743CC0217B9E3@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

The G4ZPY paddles are sold. The K2 is still available.

72, Michael Tracy, KC1SX

Date: Tue, 19 Feb 2002 13:24:24 -0500
From: Tom Feeny <tfeeny@comcast.net>
To: *QRP-L <qrp-1@Lehigh.EDU>
Subject: [120346] FOX??
Message-ID: <000701c1b972\$a98a2da0\$24553e44@EndUser.waldlk01.mi.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Been a ham 50 years but
I'm new to this list and kinda confused.
What is this FOX thing?
It's not what we usually call a "Fox Hunt" I guess.
Is there a URL that explains it?
73, Tom, W8K0X

Date: Tue, 19 Feb 2002 14:09:50 -0500
From: "Carter Craigie N3AO" <n3ao@bee.net>
To: "Low Power Amateur Discussion" <qrp-1@Lehigh.EDU>
Subject: [120347] FYBO Results to come in April--Right?
Message-ID: <013001c1b979\$02984700\$c860c441@satellite>

Am I correct in thinking that the FYBO results don't come until about mid-April? I've been out of state for a while and wondered if I had missed the publication.

TIA,

Carter Craigie N3AO
5 Faggs Manor Lane
Paoli, PA 19301-1905
610-993-9623
n3ao@arrl.net
or
n3ao@bee.net

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.324 / Virus Database: 181 - Release Date: 02/14/2002

Date: Tue, 19 Feb 2002 14:15:40 -0500
From: "Harold Smith" <harold.smith1@worldnet.att.net>
To: <rattray@gpfn.sk.ca>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120348] Re: transistor ID
Message-ID: <011201c1b979\$d3548e80\$7609550c@tinker>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bruce,

It sounds like you've got a batch of house numbered transistors. You'll probably need to acquire (buy, borrow or build) some sort of transistor

checker to find out a whole lot more. At least you have the pinout -- that's what the EBC across the bottom is.

If you knew what company's equipment those transistors were made for, you might have a better shot at finding some data, but the numbers on the parts are almost certainly only part of the total part number. The company I used to work for had 10 digit part numbers for transistors, but the parts only had the last few printed on them.

If you have enough that you can experiment with them, do so. Use an ohmmeter to determine polarity, then build up a few simple circuits -- oscillators, audio amps, rf amps, and see how they work. You can try changing the bias currents to see whether the gains go up, down or nowhere. This way, you might be able to figure out what to use them for, even if you can't ID them exactly.

Hope this helps. Good luck,
de KE6TI, Harold

----- Original Message -----

From: "Bruce Rattray" <rattray@gpfn.sk.ca>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Monday, February 18, 2002 8:49 PM

Subject: transistor ID

>
> I came across a few packages of transistors and tried to ID them through
> Google....the result was "no match"...can anyone point me in the right
> direction please?...using a magnifying glass this is what my old eyes seem
> to see on the plastic cases of these transistors...

>
> M606 M617 M701 M543 M809 M541 MT1
> 4573 4573 0006 4573 S-93 4575 S-93
> EBC EBC EBC EBC EBC EBC EBC

>
>
> ...the above is what I see on the flat side of the transistors...tnx...

>
> ..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
> A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
> - VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
> "QRP! How sweet it is!" "I am da man wit "DAH" paddle!"
>
>

Date: Tue, 19 Feb 2002 14:17:02 EST
From: WE7X@aol.com
To: QRP-L@lehigh.edu
Subject: [120349] OT mail delays
Message-ID: <43.6cd1d5f.29a3feae@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

For the last month or more, I've been occasionally noticing replies to postings that I have not previously seen. Sometimes the message which I have seen a reply to, shows up the next time I download e-mail, but I don't think they all do. I was thinking it was my connection to AOL, but I've been watching for it more lately, and I'm beginning to think it is more on the QRP-L end of things.

This morning I posted four messages to different places-other reflectors.

The one sent to QRP-L has not shown up on the list after three hours. The others were posted almost immediately on their respective lists.

It seems that it is not a problem, but more of a curiosity to me. I don't understand, and never expect to know, how all of this stuff gets routed anyway.

Curious in the rain--in the great NorthWE(s)T

Rod Johnson WE7X

Issaquah, WA.

Date: Tue, 19 Feb 2002 12:54:14 -0700
From: "Bruzenak George" <bruzer1@mindspring.com>
To: "KD3PC" <kd3pc@mindspring.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [120350] RV Travels
Message-ID: <000f01c1b97f\$360ea880\$45ab85ce@bruzenak55>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Whoops -- forgot that the trailer is full solar. 4 75watt panels, 4 6-volt Trojan 105 batteries, 2000 watt inverter. I also had a special 12volt line run directly from the batteries (8ga wire) as an outlet for the Kenwood.

The UPS might not be a bad idea also. I'll wait to see what kind of problems I have with the setup I have.

Thanks for the idea.

George

----- Original Message -----

From: "KD3PC" <kd3pc@mindspring.com>

To: <bruzer1@mindspring.com>

Sent: Tuesday, February 19, 2002 11:05 AM

Subject: Re: N4DD Preliminary Log Delinquency

> George

>

> Just an idea that I have implemented in my trailers, is to spring about \$200

> bucks for a large APC UPS unit. I use one in the trailer and one on the
> boat and it handles shore power or genset. I have had no problems with
> brownout, noise or the like.

>

> dave

>

> ----- Original Message -----

> From: "Bruzenak George" <bruzer1@mindspring.com>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Tuesday, February 19, 2002 12:49 PM

> Subject: Re: N4DD Preliminary Log Delinquency

>

>

> >

> > Bill Coleman wrote:

> >

> > > Just bought a 21 foot camping trailer myself. Can't wait for delivery.

> >

> > which brings up a question.

> >

> > How many listers have an RV that they plan to use or already use for QRP
> or

> > QRO work?

> >

> > I will be fulltiming in a fifth-wheel sometime in 2002, and have the
> > following for use in it:

> >

> > QRO: Kenwood TS-570S(G)

> > High Sierra Screwdriver (will work on 6-80 meters)

> > Bencher key, RIGBlaster (PSK-31)

> > KAMPlus for winlink.org (free ??? way to get e-mails on
the

> > road)

> >

> > QRP: Elecraft K1 4-bander
 > > 30' war surplus mast set up for rotatable dipoles (15, 20,
 > 30,
 > > 40 meters)
 > > Mini-paddle
 > >
 > > The QRO stuff is permanent, inside the trailer; the QRP gear is for
 > outside
 > > use.
 > >
 > > Anyone else set up similar? I think I've got the bands that I use
 pretty
 > > well covered with the screwdriver and the dipole setup, and if necessary
 I
 > > could string up a wire.
 > >
 > > We could start a new contest/award class -- Work All States from All
 Other
 > > States. Let's see - that'd be 50! or 3 to the 64th power contacts!!!
 > > Anyone up to this challenge? (Of course, getting the trailer to Hawaii
 > > would be interesting by itself)
 > >
 > > 73 de George K0CNT
 > >
 > >
 >

 Date: Tue, 19 Feb 2002 12:59:00 -0700
 From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
 To: "'jamesd1@flash.net'" <jamesd1@flash.net>,
 "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
 Subject: [120351] Re: Radials for Verticals
 Message-ID: <1D74B9231259D511B1AA0002B32C28960105E021@az10exm06.sat.mot.com>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"

>Now in most soils there is sufficient resistance for the induced currents to
 >die away within about 0.01 to 0.02 wavelengths, depending on the soil
 >conductivity from where they are induced. Therefore, in order to gather the
 >most induced ground currents the ends of radials should be spaced no further
 >apart than this. Longer radials waste the space in between. The total
 >current collected by the radials is higher if more, but shorter radials are
 >used. I first became aware of the spacing between the ends of radials from
 >the postings of Tom, W8JI, on the top band list. Depending on the soil

>conductivity, end separations as high as 0.05 wavelength can be used.

That is an interesting observation. That leads me to yet another way to maximize radiation efficiency for a fixed length of wire.

If the idea is to keep the maximum separation between the radial below some distance (like 0.05 wave lengths), then a multiple fan out scheme might be more efficient. An example of this could be to start out with eight radials at the base of the antenna, then go out 1/3 the desired length and fan each of the eight radials into two radials, go out another third of the desired length and fan each of the now 16 ends out into two more pieces each (now 32 wires total) to complete the run.

By doing this, radial separation could be kept more uniform throughout the ground plane disk. If the maximum separation distance is what is really important, it seems that the normal way radials are laid out places too much copper in the area close to the antenna, and not enough further out.

On the other hand, I am not sure it is all bad having a lot of copper close to the antenna, since that is often a high current point, but it does seem that there is opportunity to optimize wire coverage by using a fan out method.

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Tue, 19 Feb 2002 15:07:00 -0500
From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120352] Vertical antennas
Message-ID: <000701c1b980\$fe8cfe50\$82156fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks interested in purchase of a vertical antenna might want to read the articles on the Bencher web site:

http://www.bencher.com/ant_select.html

Date: Tue, 19 Feb 2002 15:08:23 EST
From: K1epj@aol.com
To: <qrp-1@lehigh.edu>, <WE7X@aol.com>
Subject: [120353] Re: OT mail delays
Message-ID: <f2.1709f75e.29a40ab8@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I have noticed a similar problem. I don't get all of the postings to the reflector. I can verify this by going to the archive page. QRP-1 is the only reflector that I currently belong to. I have been blaming it on AOL.
Dave K1EPJ

In a message dated Tue, 19 Feb 2002 2:18:56 PM Eastern Standard Time, WE7X@aol.com writes:

> For the last month or more, I've been occasionally noticing replies to
> postings that I have not previously seen. Sometimes the message which I have
> seen a reply to, shows up the next time I download e-mail, but I don't think
> they all do. I was thinking it was my connection to AOL, but I've been
> watching for it more lately, and I'm beginning to think it is more on the
> QRP-L end of things.
> This morning I posted four messages to different places-other reflectors.
> The one sent to QRP-L has not shown up on the list after three hours. The
> others were posted almost immediately on their respective lists.
> It seems that it is not a problem, but more of a curiosity to me. I don't
> understand, and never expect to know, how all of this stuff gets routed
> anyway.
> Curious in the rain--in the great NorthWE(s)T
> Rod Johnson WE7X
> Issaquah, WA.
>

Date: Tue, 19 Feb 2002 12:23:58 -0800
From: "Kory Hamzeh" <kory@avatar.com>

To: <bruzer1@mindspring.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [120354] RE: RV Travels
Message-ID: <001e01c1b983\$5c302d00\$14ce21c7@avatar.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've had very poor results with our RV and the High Sierra Screwdriver and the TenTec Scout running 50 watts. I did run a ground braid to the chassis of the RV and I could get good SWR on all bands, but never could get out. Next month I'm going to try an random wire/end fed. I just realized the camp site we will be going to (Lake Cachuma) doesn't have very tall trees, so I think I'll use my SD20 to raise the antenna wire up to about 20 feet and see what happens. I'll probably be running QRP though.

Kory
AC6RN

Date: Tue, 19 Feb 2002 14:24:36 -0600
From: "George, W5YR" <w5yr@att.net>
To: Dan.Taylor@motorola.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [120355] Re: Radials for Verticals
Message-ID: <3C72B484.A08B0F37@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Seems like I recall that the current density in the earth immediately around the base of a vertical falls off in the manner of $1/e$ which suggests that the more dense spacing near the base is probably more effective overall that attempting to maximize the copper in the ground further out.

And so much less work! <:}

72/73/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All outgoing email virus-checked by Norton Anti-Virus 2002

Tayloe Dan-P26412 wrote:

If the maximum separation distance is what is really important, it seems that the normal

> way radials are laid out places too much copper in the area close to the antenna, and not

> enough further out.

>

> On the other hand, I am not sure it is all bad having a lot of copper close to the antenna,

> since that is often a high current point, but it does seem that there is opportunity to

> optimize wire coverage by using a fan out method.

Date: Tue, 19 Feb 2002 15:34:41 -0500
From: "Lee Mairs" <lmairs@cox.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>, <njqrp@njqrp.org>
Subject: [120356] Painting an Altoids Box??
Message-ID: <00c501c1b984\$dc0325e0\$6401a8c0@cox.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I finished up the AZ Scorpion frequency counter today. What a neat project with really top notch quality parts. I want to stick in the Altoids box, but I also want to paint the box first.

Anybody got some time-tested suggestion for preparing the Altoids box for spraying? I'm thinking about roughing up the surface with 120 grit sandpaper and steel wool and then spraying a Krylon-type light blue background.

73 de Lee, KM4YY

God made pot. Man made beer. Who do you trust?

-- The Irish Times. Washington, D.C.

Date: Tue, 19 Feb 2002 15:44:50 -0500

From: "Brice D. Hornback" <bdh@cyberbound.net>
To: <qrp-1@Lehigh.EDU>
Subject: [120357] WANTED: Kits and Other Stuff
Message-ID: <02e001c1b986\$47676840\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

WANTED:

- NorCal EP-3 (board, kit, or built)
- NorCal 49'er REVA (board, kit, or built)
- NorCal 49'er REVB (board or kit)
- VU Mini-Transmitter/Transceiver (board, kit, or built)
- FOXX minitransceiver* (board, kit, or built)
Note: FOXX-2 boards are marked "FOXX" but use
a LM386 audio amplifier IC.
* The original version without the LM386.
- WA6BOY Contest Pixie (kit, or built) - Must be original from the "Great
Dayton Building Contest 1995" - not the current HSC version of the Pixie2.
The "Dayton Pixie 2" required the trace between the pins on C11 cut. This
was a mistake on the board and ONLY applies to the Dayton kits.
- STX - The "Simple Transmitter" by George Burt, GM30XX.
SPRAT Summer 1983 - Boards were made available by Kanga.
- Other micro-sized QRPp radios not mentioned
- Prototypes of ANY of the club or commercial kits.
- Original documentation, notes, schematics

Please let me know if you have any of these.

Thanks!

73/72/71! DE KA8MAV (Brice)
Indianapolis, IN EM79au
QRPp-I #1, QRP ARCI #10972, QRP-L #2360, ARRL
KLQRP, FPQRP -156, ARS #1,138, NETXQRP #27

QRPp International Radio Club

Tiny-Tornado Transceiver Kits
<http://www.QRPp-I.com>

Date: Tue, 19 Feb 2002 15:46:47 -0500
From: Jim Eshleman <jce0@Lehigh.EDU>
To: WE7X@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [120358] Re: OT mail delays
Message-ID: <3C72B9B7.5020504@Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Rod,

AOL has been a problem for years. My best guess is that the volume tickles some spam trigger on at least one of their mail servers which results in some messages getting dropped. I have investigated the problem numerous times by turning-on verbose logging at my end and each time I can verify successful message deliveries to AOL even though the (AOL) recipient never receives it. The list server and mail hub here are very fast and we've a big fat pipe to the internet, so you should see turnaround times of not more than a few minutes. I'm confident the problem is at the AOL end. Good luck getting them to do something about it.

73
Jim N3VXI

> For the last month or more, I've been occasionally noticing replies to
> postings that I have not previously seen. Sometimes the message which I have
> seen a reply to, shows up the next time I download e-mail, but I don't think
> they all do. I was thinking it was my connection to AOL, but I've been
> watching for it more lately, and I'm beginning to think it is more on the
> QRP-L end of things.
> This morning I posted four messages to different places-other reflectors.
> The one sent to QRP-L has not shown up on the list after three hours. The
> others were posted almost immediately on their respective lists.
> It seems that it is not a problem, but more of a curiosity to me. I don't
> understand, and never expect to know, how all of this stuff gets routed
> anyway.
> Curious in the rain--in the great NorthWE(s)T
> Rod Johnson WE7X
> Issaquah, WA.

Date: Tue, 19 Feb 2002 15:50:34 EST
From: IamSF5@aol.com
To: WE7X@aol.com, qrp-1@lehigh.edu
Subject: [120359] Re: OT mail delays
Message-ID: <17.2384e95e.29a4149a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 2/19/02 2:19:09 PM Eastern Standard Time, WE7X@aol.com writes:

<<
For the last month or more, I've been occasionally noticing replies to postings that I have not previously seen. Sometimes the message which I have seen a reply to, shows up the next time I download e-mail, but I don't think
>>

It's AOL thats messed up.
I been on the phone with the dummies for 4 nights in a row.
They hung up on me twice transferred me to cancellation department then to the pass word department.
One tech told me to find another server because AOL SUCKS.
Another girl told me that a new group of kids are being trained and their being very rude to members on the phone.
They put you on hold and go for lunch.
I will be leaving AOhell in about three weeks
They can have their Spam and slut mail.
Thats about the only thing that gets through.
For now open an account with Yahoo.com and you'll get all the mail
Bob
WA2HOQrp <tm>

Date: Tue, 19 Feb 2002 14:52:18 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: jstamper@shentel.net,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [120360] Re: Vertical antennas [Bencher = Butternut]
Message-ID: <3.0.2.32.20020219145218.0082c180@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Bencher bought out Butternut a few years ago...

At 03:07 PM 02/19/2002 -0500, Jim Stamper wrote:

>Folks interested in purchase of a vertical antenna might want to read the
>articles on the Bencher web site:

>
>http://www.bencher.com/ant_select.html
>
>

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, SOC #57, 6 Club #201, SMIRK #6275
Zombie #759, QRPp-I #115, COG #11, NETXQRP <http://www.netxqrp.org>

Date: Tue, 19 Feb 2002 14:54:54 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: tfeeny@comcast.net,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [120361] Re: FOX??
Message-ID: <3.0.2.32.20020219145454.0082a760@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Tom,

Try this one -- it's a QRP-L thing to get people operating started a few
years ago by Chuck Adams (K7Q0) who also started QRP-L.

<http://www.cqc.org/fox/>

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, SOC #57, 6 Club #201, SMIRK #6275
Zombie #759, QRPp-I #115, COG #11, NETXQRP <http://www.netxqrp.org>

Date: Tue, 19 Feb 2002 14:55:14 -0600
From: "George, W5YR" <w5yr@att.net>
To: kory@avatar.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [120362] Re: RV Travels
Message-ID: <3C72BBB2.4FA01CEB@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Kory, wonder how long and how wide that "ground braid" is and what it is connected to at each end?

As you have found, "good SWR" does not always equate to "getting out."

It sounds like you probably have more resistive loss in your system than is tolerable, and since the screwdriver antenna you have is quite good, that leaves your grounding system as the prime suspect for being the culprit.

72/73/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All outgoing email virus-checked by Norton Anti-Virus 2002

Kory Hamzeh wrote:

>
> I've had very poor results with our RV and the High Sierra Screwdriver and
> the TenTec Scout running 50 watts. I did run a ground braid to the chassis
> of the RV and I could get good SWR on all bands, but never could get out.
>

Date: Tue, 19 Feb 2002 15:03:22 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu
Subject: [120363] Gray Paint -- Close Elecraft Match
Message-ID: <3.0.2.32.20020219150322.0082dab0@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Builder Folks,

The message about painting an Altoids tin brought this back to mind..

The paint I use for my little projects seems to match closely with that use by Elecraft for their cases.

I found that that I use at the local True Value Hardware. I don't have any idea if this is a national brand carried in most stores.

Premium Decor
Decorative Primer (Interior/Exterior)
PDS-9 Gray Primer
TS 792 286 SS 61741 (These may only be lot numbers of no use otherwise)

It's a semi-gloss almost matt finish. It doesn't get hard very fast but you can bake it in the oven (after leaving it in the shop overnight) for about a 1/2 hour at 175 F

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, SOC #57, 6 Club #201, SMIRK #6275
Zombie #759, QRPp-I #115, COG #11, NETXQRP <http://www.netxqrp.org>

Date: Tue, 19 Feb 2002 16:11:26 EST
From: Macstein@aol.com
To: K1epj@aol.com, qrp-l@lehigh.edu
Subject: [120364] Re: OT mail delays
Message-ID: <132.95bc610.29a4197e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 2/19/2002 3:10:00 PM Eastern Standard Time, K1epj@aol.com writes:

> I have noticed a similar problem. I don't get all of the postings to the
> reflector. I can verify this by going to the archive page. QRP-l is the
only
> reflector that I currently belong to. I have been blaming it on AOL.
> Dave K1EPJ

I DO blame AOL. I belong to several reflectors, and QRP-L gets screened from me on a cyclic basis. I will go thru the hassle of contacting customer service, they eventually reset my "flags" and I get posts for a short while. Then I notice I'm missing half the posts or more again. I gave up and just check the website, since I have chosen to keep AOL for my family.

-MAC-
AF4PS

Date: Tue, 19 Feb 2002 16:21:41 -0500
From: Pete Burbank <plburbank@kih.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [120365] Re: Gray Paint -- Close Elecraft Match
Message-ID: <5.0.2.1.0.20020219161556.00ac5330@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 03:03 PM 2/19/2002 -0600, Chuck Carpenter wrote:

>Builder Folks,

>

>The message about painting an Altoids tin brought this back to mind..

>

>The paint I use for my little projects seems to match closely with that use
>by Elecraft for their cases.

>

>SNIP

>

> It's a semi-gloss almost matt finish. It doesn't get hard very fast but
>you can bake it in the oven (after leaving it in the shop overnight) for
>about a 1/2 hour at 175 F

>

>

>Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1

>QRP-ARCI #5422, QRP-L #1306, SOC #57, 6 Club #201, SMIRK #6275

>Zombie #759, QRPP-I #115, COG #11, NETXQRP <http://www.netxqrp.org>

Chuck,

I am curious what the XYL has to say about that. :-)

73 Pete NV4V

Date: Tue, 19 Feb 2002 14:13:14 -0800
From: "Kory Hamzeh" <kory@avatar.com>
To: "George, W5YR" <w5yr@att.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [120366] RE: RV Travels
Message-ID: <002a01c1b992\$a04dc6a0\$14ce21c7@avatar.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi George,

>

> Kory, wonder how long and how wide that "ground braid" is and what it is
> connected to at each end?

It was 1/2" braid about 2 feet long. It ran from the bottom of the HS hitch mount ground connector to the chassis on the RV. I think there may have been two problems:

1. The point on the chassis we connected was not connected (electrically) very well to the rest of the RV.
2. The antenna was sitting low. The base of the antenna was maybe 8 inches above the hitch. My RV is rather big, a Fleetwood 31 foot Jamboree.

Thanks,
Kory
AC6RN

Date: Tue, 19 Feb 2002 16:17:25 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu
Subject: [120367] Butternuts and Wind??
Message-ID: <3.0.2.32.20020219161725.0082f6a0@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Butternut Folks,

Question came up.

Anyone had negative experiences with Butternut verticals and high winds?

In areas of really high winds was the recommended guying used?

Direct hits or nearly direct hits with tornados don't count!

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, SOC #57, 6 Club #201, SMIRK #6275
Zombie #759, QRPp-I #115, COG #11, NETXQRP <http://www.netxqrp.org>

Date: Tue, 19 Feb 2002 14:25:21 -0800
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [120368] Re: OT mail delays
Message-ID: <20020219222521.GA7692@oz.net>
Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Rod,

I looked at the headers of your message and it appears to have been sent at 2:17:02 PM EST (11:17:02 PM PST). It was received at my ISP at 11:17:57 PST, 55 seconds later. Obviously the mailing list processor took some offence at your message and wanted to prove you wrong.

Actually, I have noticed fairly large delays also, but sometimes the messages show up quite quickly. This could be due to varying volumes of traffic at one of the computers in the loop. I know that some mailing list software (and some mail transfer agents, the processes which forward messages from one computer to another via SMTP) can handle large volumes better than others, but it seems to be somewhat unpredictable.

73, Bob N7XY

On Tue, Feb 19, 2002 at 02:17:02PM -0500, WE7X@aol.com wrote:

> For the last month or more, I've been occasionally noticing replies to
> postings that I have not previously seen. Sometimes the message which I have
> seen a reply to, shows up the next time I download e-mail, but I don't think
> they all do. I was thinking it was my connection to AOL, but I've been
> watching for it more lately, and I'm beginning to think it is more on the
> QRP-L end of things.
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> others were posted almost immediately on their respective lists.
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> understand, and never expect to know, how all of this stuff gets routed
> anyway.
> Curious in the rain--in the great NorthWE(s)T
> Rod Johnson WE7X
> Issaquah, WA.
>

--

Bob Nielsen, N7XY
Bainbridge Island, WA
IOTA NA-065, USI WA-028S

nielsen@oz.net
<http://www.oz.net/~nielsen>

Date: Tue, 19 Feb 2002 16:29:49 -0600
From: "George, W5YR" <w5yr@att.net>
To: Kory Hamzeh <kory@avatar.com>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [120369] Re: RV Travels

Message-ID: <3C72D1DD.CAD46A5C@att.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

It does sound like ground resistance is consuming most of your power, Kory, plus that two feet of braid is part of the antenna which starts at the frame where you connected it, goes two feet to the HS and then the HS itself. All your tuning adjustments have been made with that extra two feet of antenna in the circuit. And you are feeding the system at the junction of the braid and the HD base where your coax feedline braid connects to the HS base. So, part of your power is going into that braid which is dumping it all right into the chassis/frame or the ground or both.

I can't offer any real advice without seeing the vehicle, but the shorter you can make that ground strap and the better a place you can find on the actual chassis of the vehicle to connect it, probably the better things will work. Actually, braid is not all that good a conductor for rf. Wide copper flashing or something like that is much better. Braid has a low d-c resistance but at HF its impedance is much higher, especially after it gets corroded.

If you could get the antenna up higher that would help also. On my Holiday Rambler 37 ft motorhome, I mount my Hustler antenna up on the luggage rail at the very back while parked. For me, operating any radio other than two meters while in motion is a no-no! <:}

72/73/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

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Kory Hamzeh wrote:

>

> Hi George,

>

> >

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> > connected to at each end?

>

> It was 1/2" braid about 2 feet long. It ran from the bottom of the HS hitch

> mount ground connector to the chassis on the RV. I think there may have been

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>
> 1. The point on the chassis we connected was not connected (electrically)
> very well to the rest of the RV.
>
> 2. The antenna was sitting low. The base of the antenna was maybe 8 inches
> above the hitch. My RV is rather big, a Fleetwood 31 feet Jamboree.
>
> Thanks,
> Kory
> AC6RN

--

72/73/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All outgoing email virus-checked by Norton Anti-Virus 2002

Date: Tue, 19 Feb 2002 15:58:14 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Bruzenak George <bruzer1@mindspring.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [120370] Re: RV Travels
Message-ID: <Pine.LNX.4.33.0202191549350.3347-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

George, You need to bring along a dipole for when you arrive at a camp spot. Mine is 80 feet long center feed with 450 ohm ribbon and fed with a MFJ manual tuner. Works on 80 through 10 meters.

You have \$1,600 worth of solar cells. You need 4 normal deep charge batteries to save the juice. Lots of heavy cable to handle the power. Forget the UPS. I have a Radio Shack 100 watt inverter that runs my electric Norelco and my TV and my printer and my VCR machine and runs the battery charger for my Video Camera and still digital camera.

I have just 1 75 watt solar cell and it keeps me in power for the entire Field Day Contest. I'm net control for the NM Breakfast Club and like that Your overkill will be nice.

On Tue, 19 Feb 2002, Bruzenak George wrote:

> Whoops -- forgot that the trailer is full solar. 4 75watt panels, 4 6-volt
> Trojan 105 batteries, 2000 watt inverter. I also had a special 12volt line
> run directly from the batteries (8ga wire) as an outlet for the Kenwood.
>
> The UPS might not be a bad idea also. I'll wait to see what kind of
> problems I have with the setup I have.
>
> Thanks for the idea.
>
> George

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Tue, 19 Feb 2002 18:03:15 -0800
From: Ronald Hands <ronald.hands@sympatico.ca>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [120371] Re: Butternuts and Wind??
Message-ID: <3C7303E3.2080500@sympatico.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Chuck Carpenter wrote:

>
>
>Question came up.
>
>Anyone had negative experiences with Butternut verticals and high winds?
>

I've had a Butternut HF6VX (that's the six-band predecessor to current nine-band models) up for about five years, with no guys. It seems to handle high winds gracefully. The only problem I've ever had was one year when it iced up heavily with a combination of ice and very wet snow, followed by high winds. Bent a top section.

Mine's set in a pipe buried in the backyard. At first, I used to lift it out and lay it flat on the ground in bad weather. Now I just ignore it.

-- Ron VE3SP

Date: Tue, 19 Feb 2002 16:19:29 -0700
From: "Bruzenak George" <bruzer1@mindspring.com>
To: "Kory Hamzeh" <kory@avatar.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [120372] Re: RV Travels
Message-ID: <000d01c1b99b\$e2461e00\$2ba4fc9e@bruzenak55>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In previous travels with the screwdriver I found that the antenna to trailer chassis ground has got to be short and substantial. I ground the chassis ground until it glowed and after securing the ground strap with large self-tappers and star washers, covered them with silicone goop.

I still get occassional rf interference with my air conditioner in the rig - especially on the lower frequencies. Other than that, my connections to the winlink.org work well at 15 to 20 watts.

George K0CNT

----- Original Message -----

From: "Kory Hamzeh" <kory@avatar.com>
To: <bruzer1@mindspring.com>; "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, February 19, 2002 1:23 PM
Subject: RE: RV Travels

>
> I've had very poor results with our RV and the High Sierra Screwdriver and
> the TenTec Scout running 50 watts. I did run a ground braid to the chassis
> of the RV and I could get good SWR on all bands, but never could get out.
> Next month I'm going to try an random wire/end fed. I just realized the
camp
> site we will be going to (Lake Cachuma) doesn't have very tall trees, so I
> think I'll use my SD20 to raise the antenna wire up to about 20 feet and
see
> what happens. I'll probably be running QRP though.
>
> Kory
> AC6RN

>

Date: Tue, 19 Feb 2002 17:22:30 -0600
From: Dave Sjolin <sjolin@swbell.net>
To: w5usj@9plus.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [120373] Re: Butternuts and Wind??
Message-ID: <3C72DE36.A3825FCA@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Chuck Carpenter wrote:

> Anyone had negative experiences with Butternut verticals and high winds?

Have had someo sixty or so mph straight line winds but no damage. The HF2V is kind of leaning a bit but that was because I dug the hole and installed it on a wet day and didnt tamp the dirt down enough around the base. But its never gotten any worse during storms although it will wip around a bit.

> In areas of really high winds was the recommended guying used?

No guys. Its 32 foot. Has extra coils for 160 and 30 meters giving me an antenna I can use on 160, 80, 40, 30, and 15. Six meters also if you dont mind a cloud burner.

I would be more concerned about burying the radials which I never bothred to do. My lawnmover tends to eat some each year requiring replacements each fall.

73 de Dave, N0IT

Date: Tue, 19 Feb 2002 15:52:33 -0800
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: <w5usj@9plus.net>,
 '"Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>
Subject: [120374] RE: Butternuts and Wind??
Message-ID: <001701c1b9a0\$7ffd57e0\$2802a8c0@RAMcCarty>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"

Content-Transfer-Encoding: 7bit

I had an HF2V up for many years, mounted on the roof with a dozen or so radials emanating from the base. Winds called "Santa Ana's" occasionally hit out area sometimes getting up to 50 MPH or so. I have seen the top of the Butternut bend nearly perpendicular to the base with no ill-effects. Seems to be a tough cookie.

Later, I added the top hat configuration to extend the coverage on 80 meters. It also assists in keeping the vertical.., well vertical, during high winds although the middle sure danced about like a hula dancer.

Hope this helps,

Roger KD6CC

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Chuck Carpenter
Sent: Tuesday, February 19, 2002 2:17 PM
To: Low Power Amateur Radio Discussion
Subject: Butternuts and Wind??

Butternut Folks,

Question came up.

Anyone had negative experiences with Butternut verticals and high winds?

In areas of really high winds was the recommended guying used?

Direct hits or nearly direct hits with tornados don't count!

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, SOC #57, 6 Club #201, SMIRK #6275
Zombie #759, QRPp-I #115, COG #11, NETXQRP <http://www.netxqrp.org>

Incoming mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.324 / Virus Database: 181 - Release Date: 2/14/2002

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.324 / Virus Database: 181 - Release Date: 2/14/2002

Date: Tue, 19 Feb 2002 14:04:38 -0500 (EST)
From: <n2go@arrl.net>
To: Chuck Carpenter <w5usj@9plus.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [120375] Re: Butternuts and Wind??
Message-ID: <Pine.LNX.4.33.0202191400130.1788-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Chronic movement in wind will have an effect on the fiberglass base insulator. After a few seasons in the wind the antenna (my HF2V) developed a tilt in the direction of the prevailing winds. I tried using liquid fiberglass to built it up but it was not the same density. I eventually replaced the base insulator to keep it straight for a few more years.

Now I replaced the HF2V with a HF9V. Actually I gave the HF2V away before I put up the new one and haven't erected the new one yet.

I hope the HF9V works nearly as well as the HF2V. That was my favorite vertical antenna.

73,

Jim n2go

Date: Tue, 19 Feb 2002 19:00:28 -0500
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>
Subject: [120376] Re: Butternuts and Wind??
Message-ID: <005f01c1b9a1\$a1572280\$77605cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Chuck & Everyone,

I have been using the Butternut since they first came out. I modified my first Butternut HF6V after noticing a few minor problems. I also called the factory and passed my mods

onto them. They are now incorporated into the antenna. I live in a city row home and I have the antenna mounted on the flat roof with elevated radials. Yes, elevated stub tuned radials at 12" on the high end of the roof and 20 " on the low end. This way when it snows it will not affect my SWR too much.

My neighbors have seen my antenna lay over about 75 degrees. I also have seen in windy conditions my SWR on 15 meters raise and lower as the wind whips the antenna. So I went out and purchased 100 lb. test mono filament fishing line. I tie three legs just below the lower bracket of the 15 meter section. I do not make the lines tight, there is a little slack. The line will last for 2 to 4 years. I usually change it every year and do an antenna inspection. That way I can also take a look at the other roofs for antennas. :-)

Works great for me!

72 & 73
Ron Polityka
WB3AAL
www.n3epa.org

End of QRP-L Digest 2471

